FIG. 1

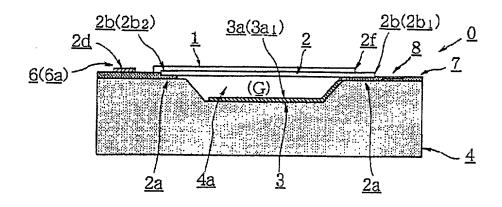
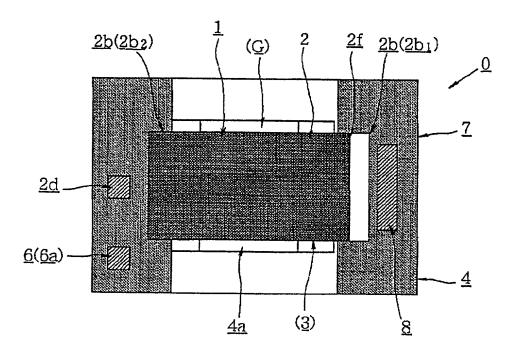


FIG. 2



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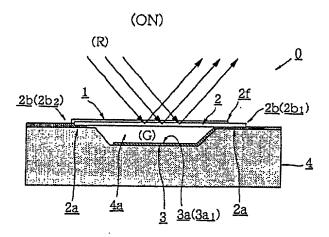


FIG. 4

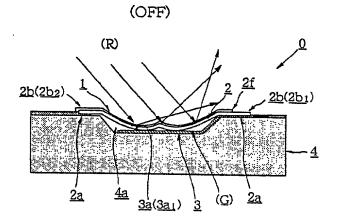


FIG. 5

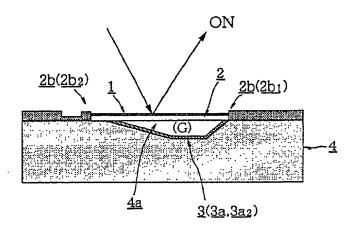
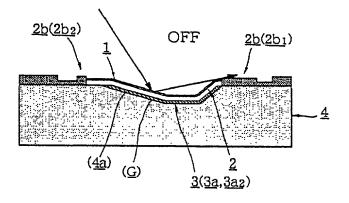


FIG. 6



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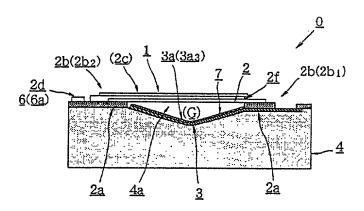
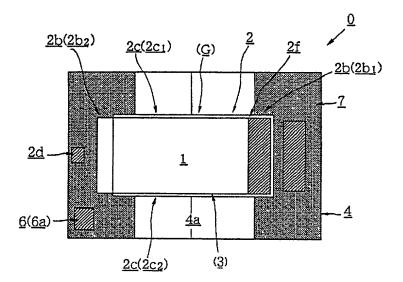


FIG. 8



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FIG. 9

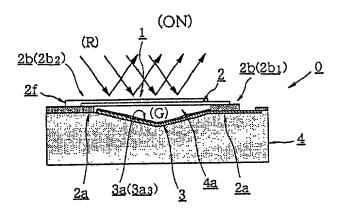
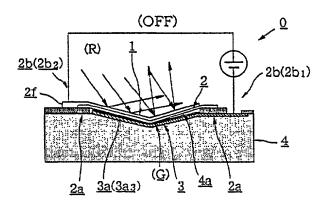


FIG. 10



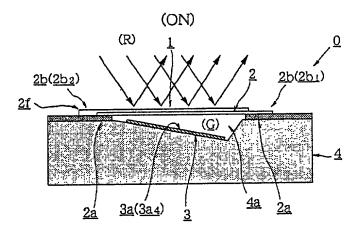
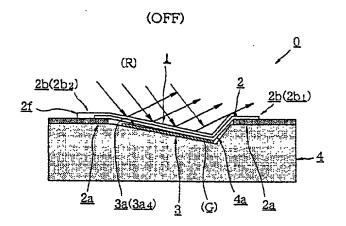


FIG. 12



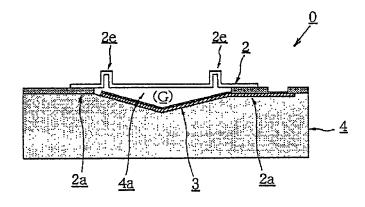
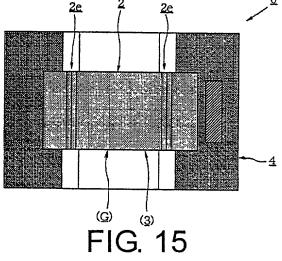


FIG. 14



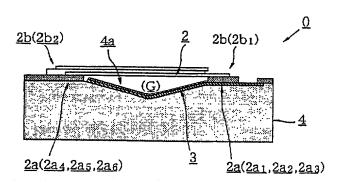


FIG. 16

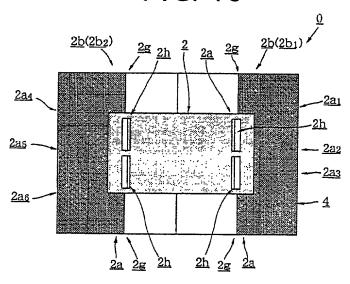
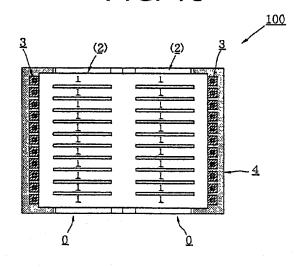
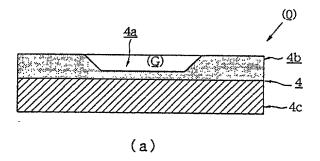


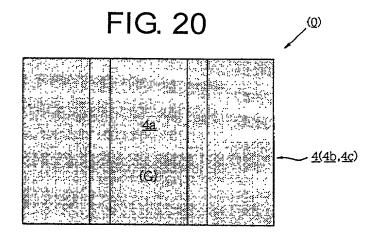
FIG. 18



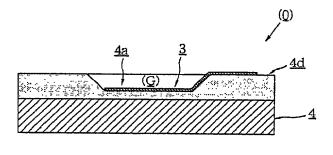
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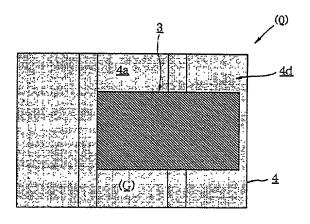
(a) FIG. 21



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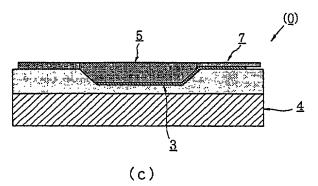
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## FIG. 22



(b)

FIG. 23



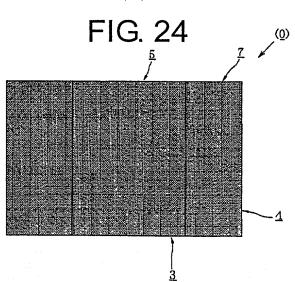
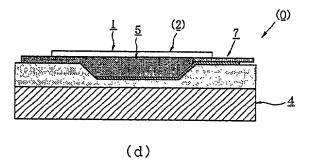


FIG. 25



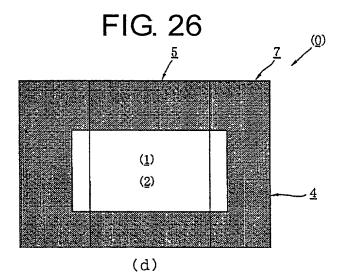
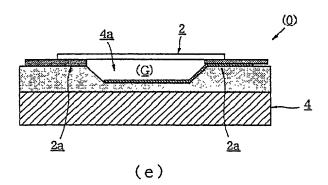


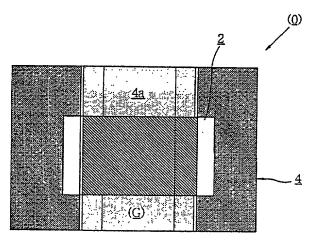
FIG. 27



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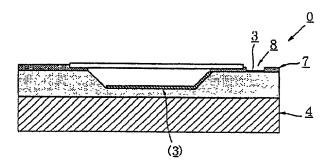
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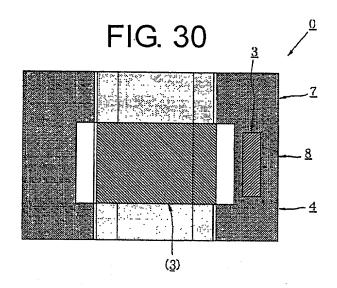
FIG. 28



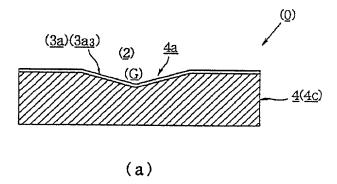
(e)

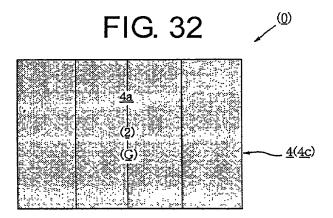
FIG. 29



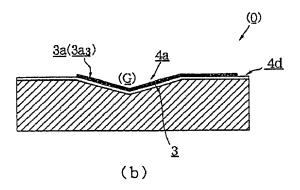


## FIG. 31





(a) FIG. 33



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FIG. 34

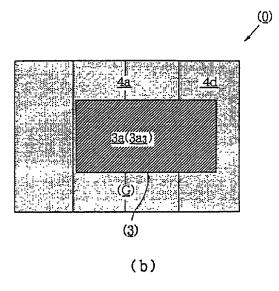
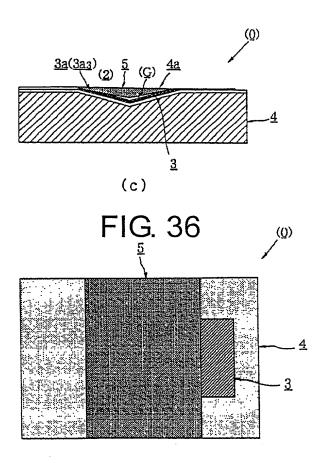


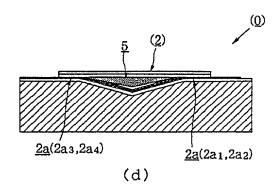
FIG. 35

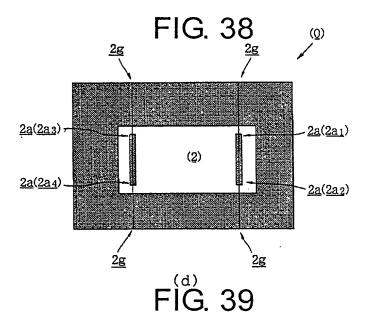


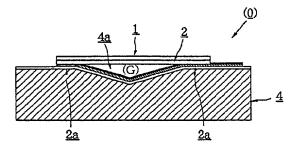
HOOSON LINES

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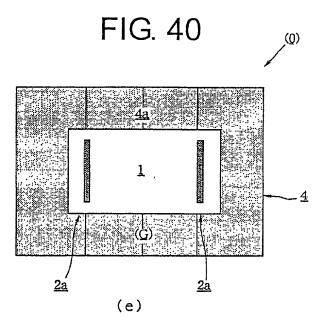
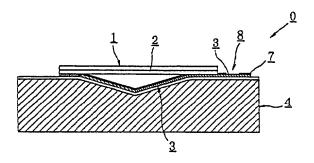
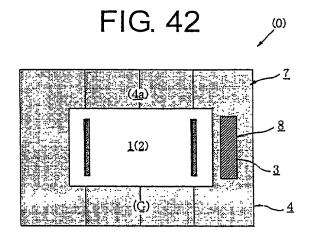


FIG. 41

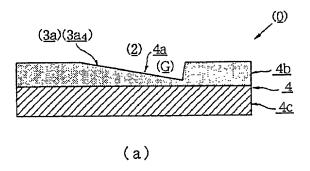




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## FIG. 43



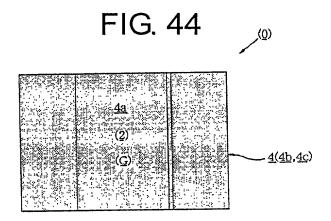
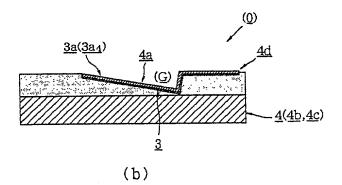


FIG. 45

(a)



OBLON, SPIVAK, ET AL DOCKET #: 218290US2 INV: Kouichi OHTAKA, et al. SHEET <u>18</u> OF 116 18/116

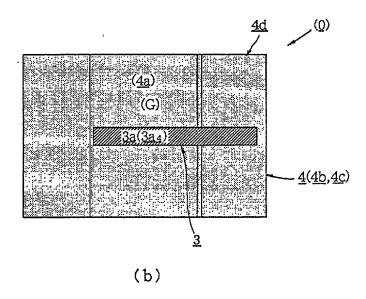
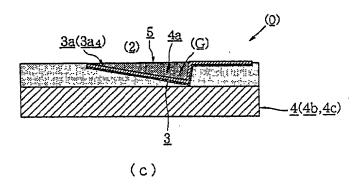


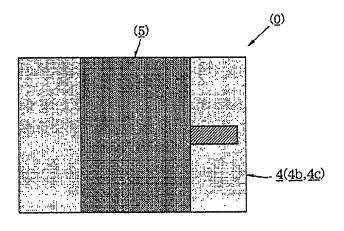
FIG. 47



OBLON, SPIVAK, ET AL DOCKET #: 218290US2 INV: Kouichi OHTAKA, et al. SHEET 19 OF 116

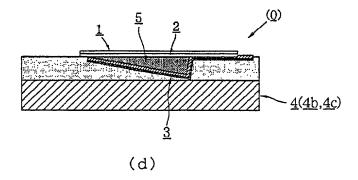
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# FIG. 48

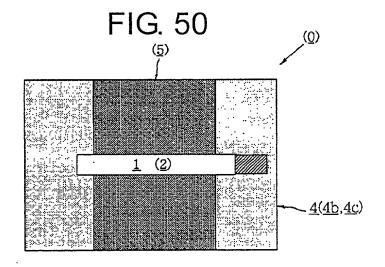


(c)

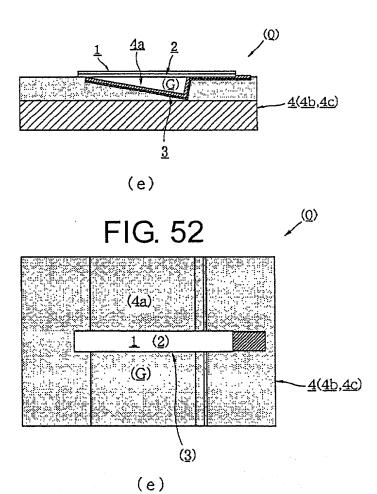
FIG. 49

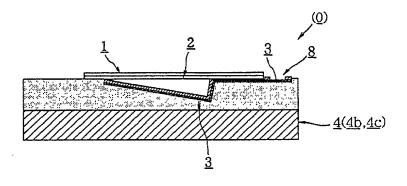


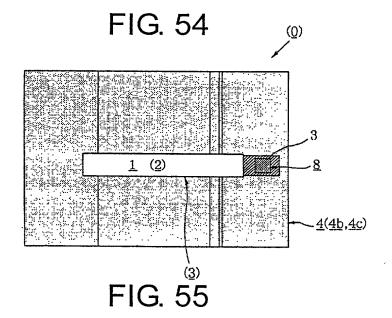
OBLON, SPIVAK, ET AL DOCKET #: 218290US2 INV: Kouichi OHTAKA, et al. SHEET <u>20</u> OF <u>116</u>

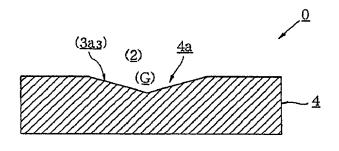


(d) FIG. 51

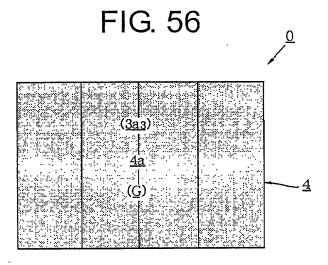




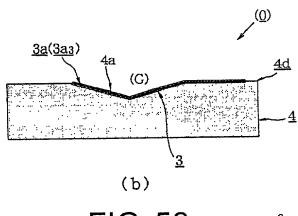


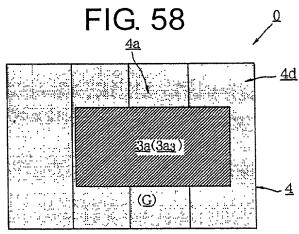


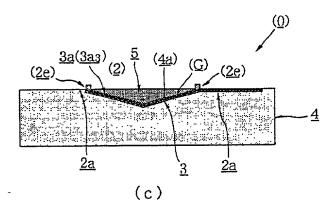
OBLON, SPIVAK, ET AL DOCKET #: 218290US2 INV: Kouichi OHTAKA, et al. SHEET 22 OF 116



(a) FIG. 57







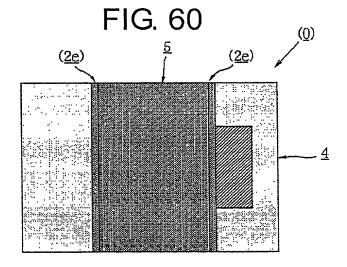
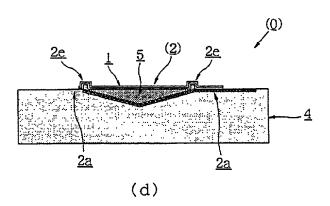


FIG. 61



OBLON, SPIVAK, ET AL DOCKET #: 218290US2 INV: Kouichi OHTAKA, et al. SHEET 24 OF 116

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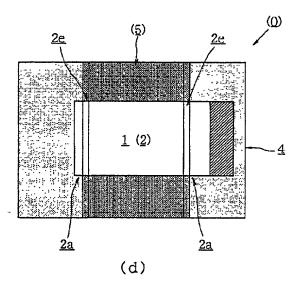
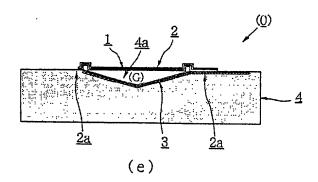


FIG. 63



OBLON, SPIVAK, ET AL DOCKET #: 218290US2 INV: Kouichi OHTAKA, et al. SHEET <u>25</u> OF <u>116</u>

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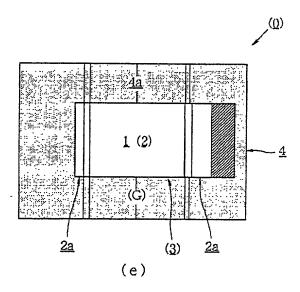
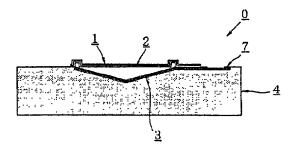


FIG. 65



OBLON, SPIVAK, ET AL DOCKET #: 218290US2 INV: Kouichi OHTAKA, et al. SHEET <u>26</u> OF <u>116</u>

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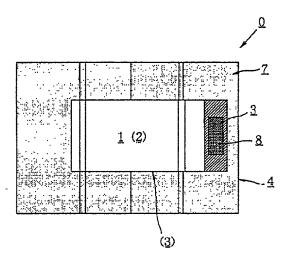
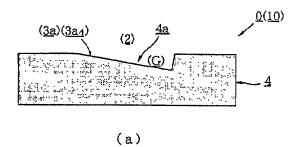
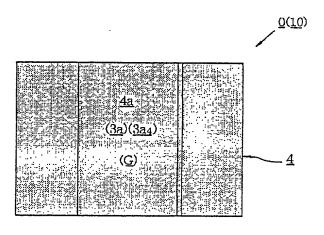


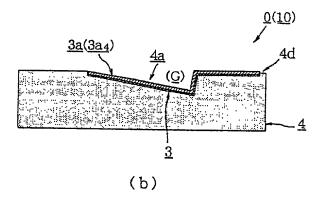
FIG. 67



# FIG. 68



(a)



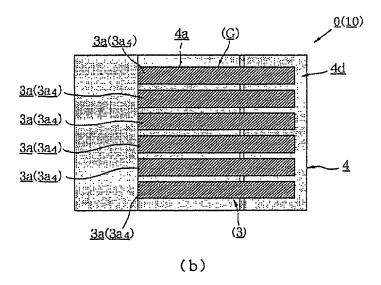
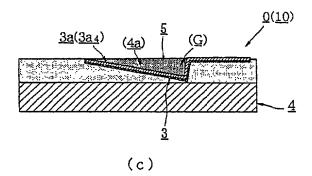


FIG. 71



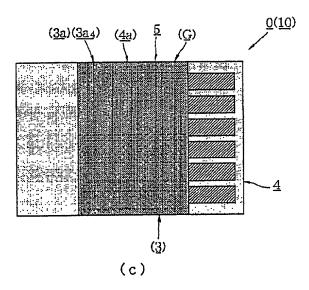
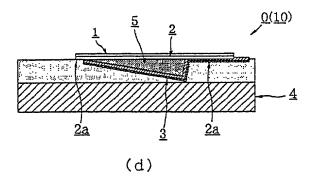


FIG. 73



OBLON, SPIVAK, ET AL DOCKET #: 218290US2 INV: Kouichi OHTAKA, et al. SHEET 30 OF 116

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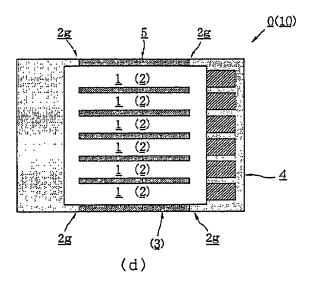
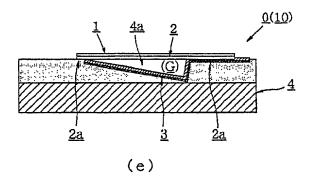


FIG. 75



OBLON, SPIVAK, ET AL DOCKET #: 218290US2 INV: Kouichi OHTAKA, et al. SHEET 31 OF 116

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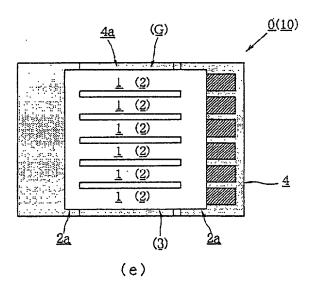


FIG. 77

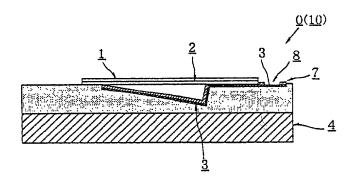
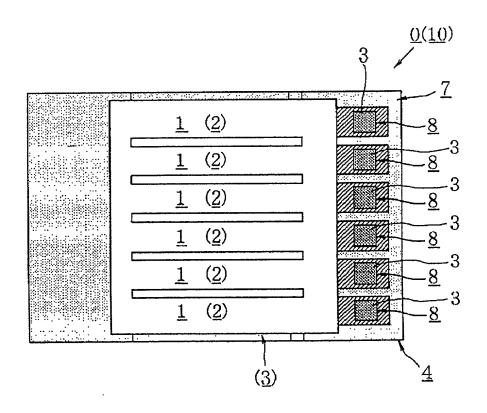
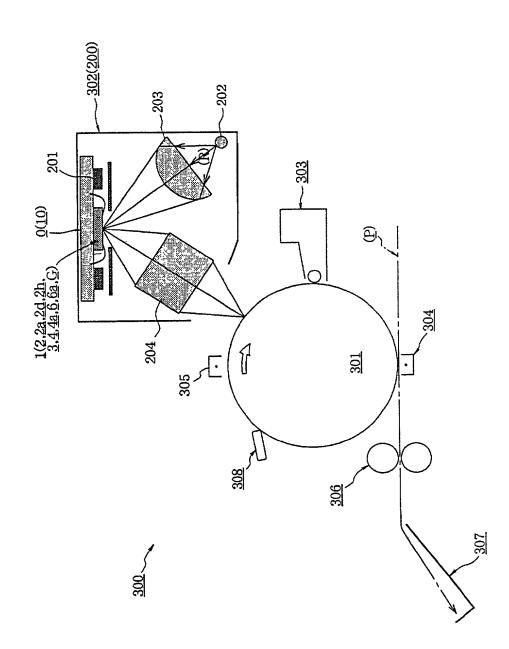


FIG. 78

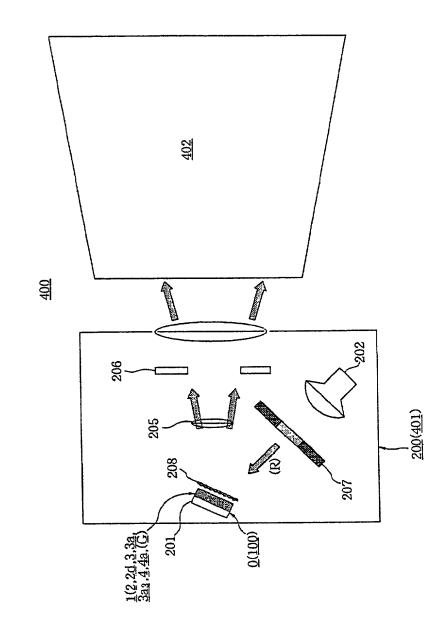


OBLON, SPIVAK, ET AL DOCKET #: 218290US2 INV: Kouichi OHTAKA, et al. SHEET 33 OF 116

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OBLON, SPIVAK, ET AL DOCKET #: 218290US2 INV: Kouichi OHTAKA, et al. SHEET 35 OF 116

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#### FIG. 81A

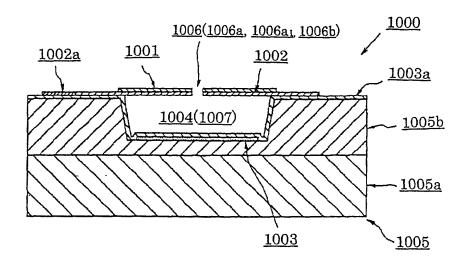
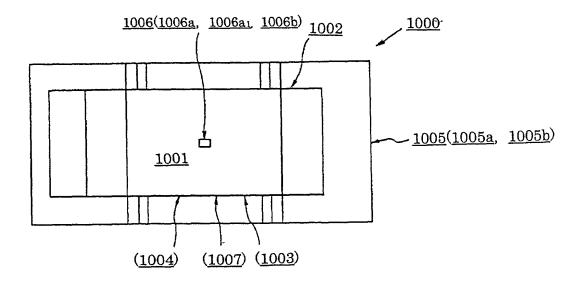


FIG. 81B



# FIG. 82A

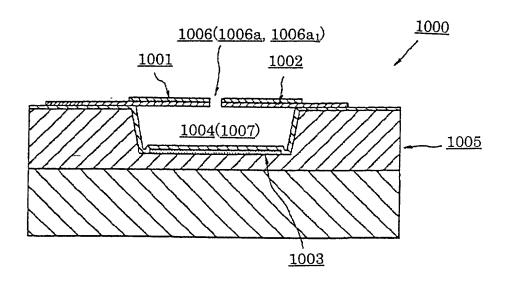
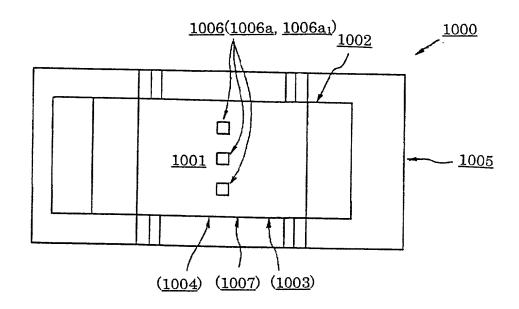


FIG. 82B



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### FIG. 83A

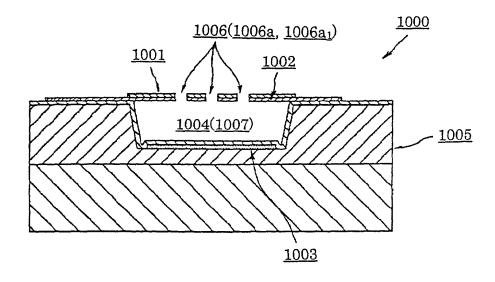
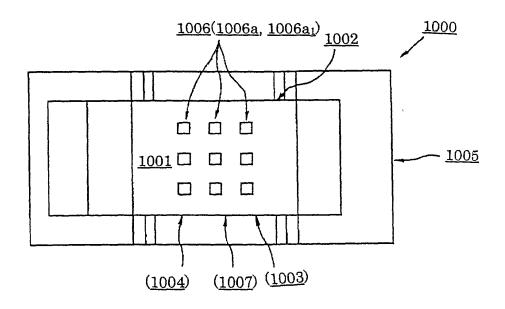


FIG. 83B



OBLON, SPIVAK, ET AL DOCKET #: 218290US2 INV: Kouichi OHTAKA, et al. SHEET 38 OF 116

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#### FIG. 84A

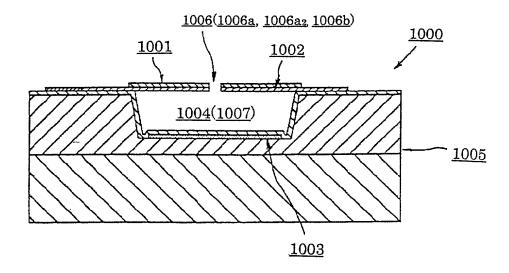
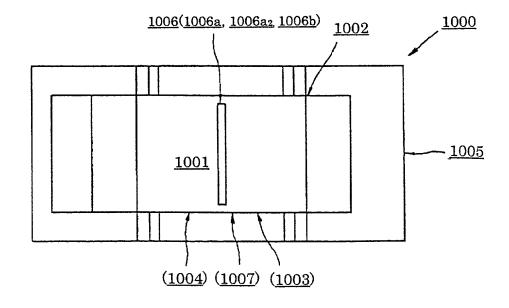


FIG. 84B



OBLON, SPIVAK, ET AL DOCKET #: 218290US2 INV: Kouichi OHTAKA, et al. SHEET 39 OF 116

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# FIG. 85C

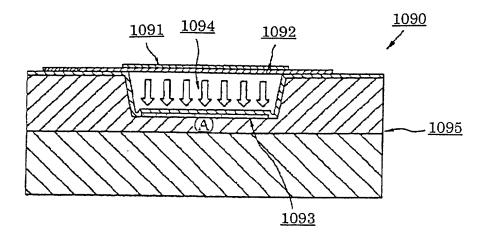
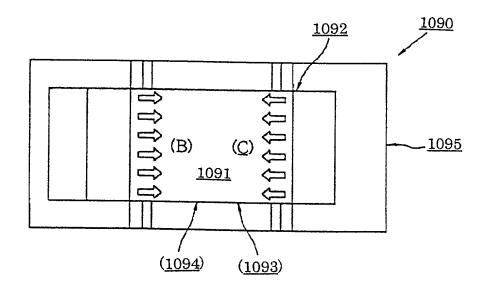


FIG. 85D



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### FIG. 86E

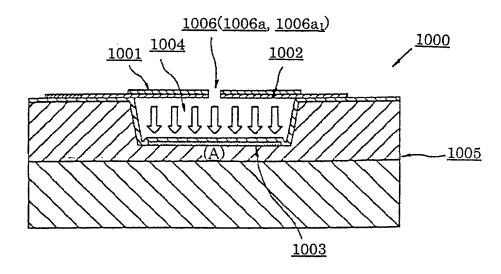
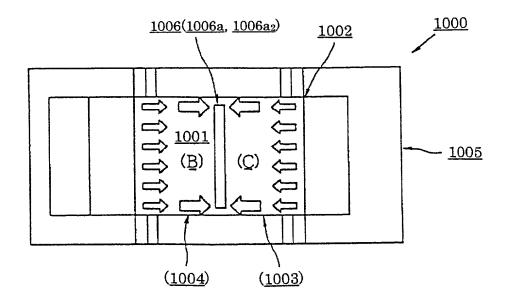


FIG. 86F



# FIG. 87A

OBLON, SPIVAK, ET AL

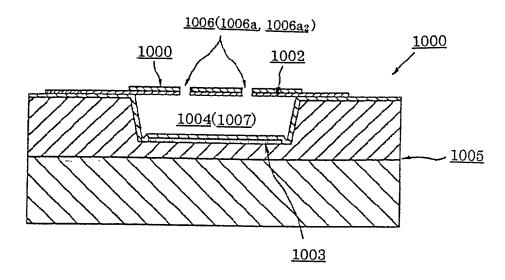
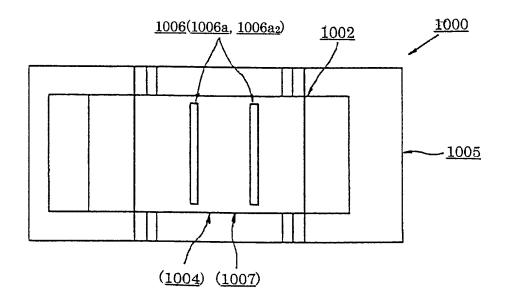


FIG. 87B



OBLON, SPIVAK, ET AL DOCKET #: 218290US2 INV: Kouichi OHTAKA, et al. SHEET 42 OF 116

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### FIG. 88A

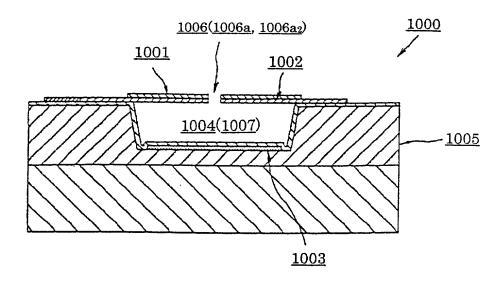
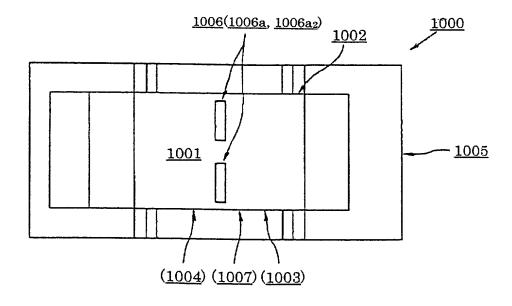


FIG. 88B



OBLON, SPIVAK, ET AL DOCKET #: 218290US2 INV: Kouichi OHTAKA, et al. SHEET 43 OF 116

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### FIG. 89A

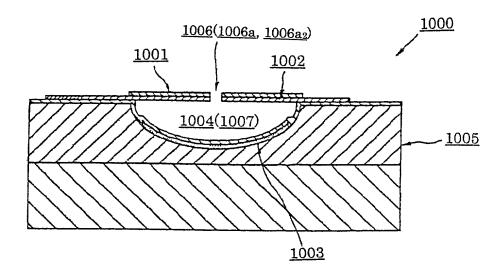
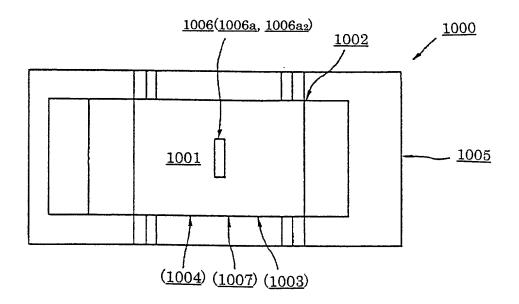


FIG. 89B



OBLON, SPIVAK, ET AL DOCKET #: 218290US2 INV: Kouichi OHTAKA, et al. SHEET 44 OF 116

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### FIG. 90A

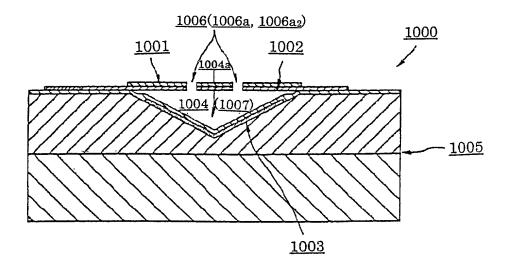
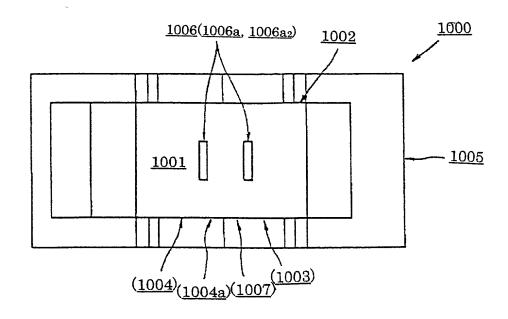


FIG. 90B



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### FIG. 91A

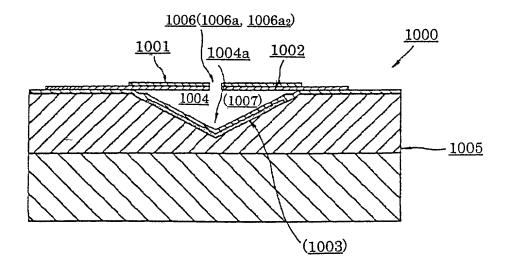
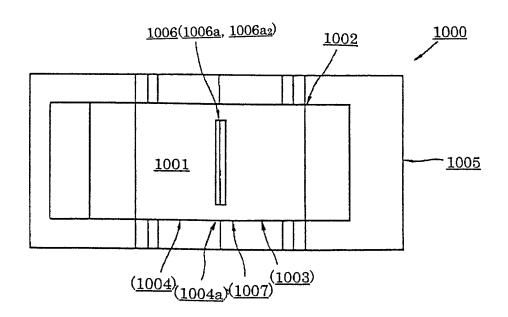


FIG. 91B



OBLON, SPIVAK, ET AL DOCKET #: 218290US2 INV: Kouichi OHTAKA, et al. SHEET 46 OF 116

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### FIG. 92A

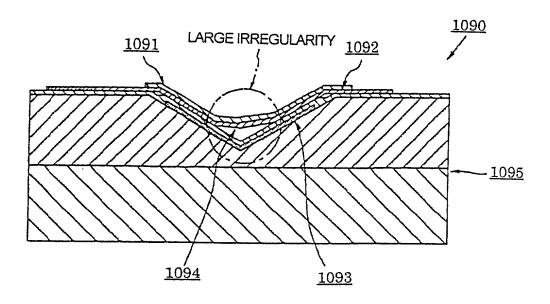
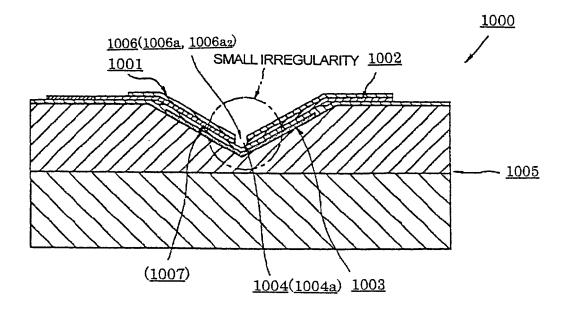


FIG. 92B



OBLON, SPIVAK, ET AL DOCKET #: 218290US2 INV: Kouichi OHTAKA, et al. SHEET 47 OF 116

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# FIG. 93A

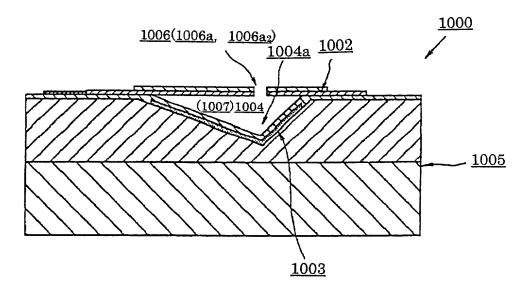
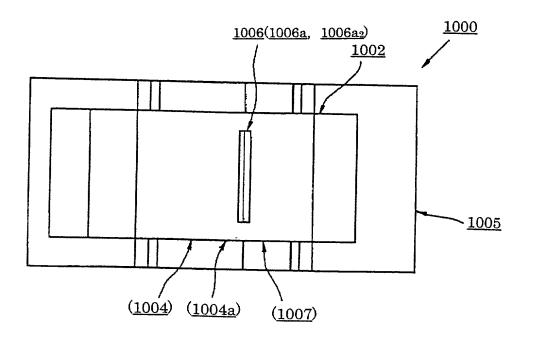


FIG. 93B



OBLON, SPIVAK, ET AL DOCKET #: 218290US2 INV: Kouichi OHTAKA, et al. SHEET 48 OF 116

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### FIG. 94A

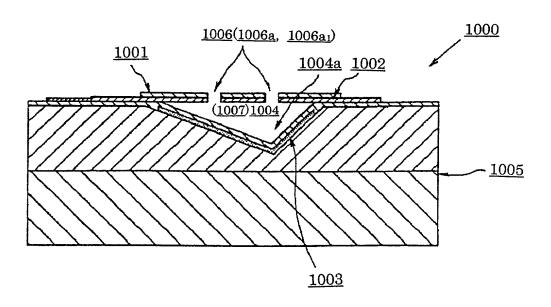
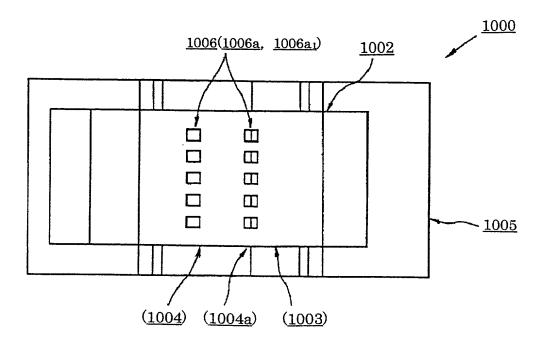


FIG. 94B



OBLON, SPIVAK, ET AL DOCKET #: 218290US2 INV: Kouichi OHTAKA, et al. SHEET 49 OF 116

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### FIG. 95C

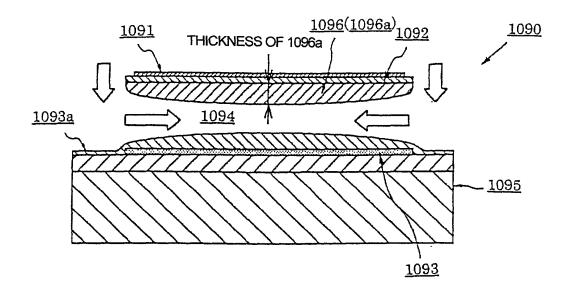
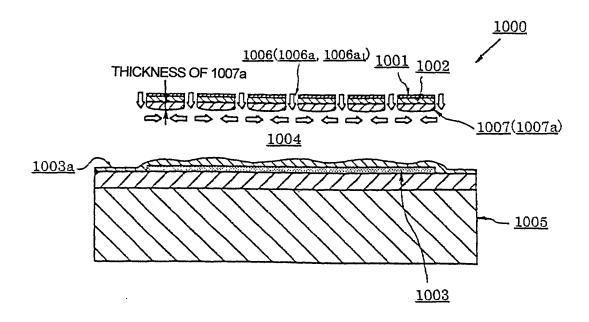


FIG. 95D



OBLON, SPIVAK, ET AL DOCKET #: 218290US2 INV: Kouichi OHTAKA, et al. SHEET <u>50</u> OF <u>116</u>

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### FIG. 96A

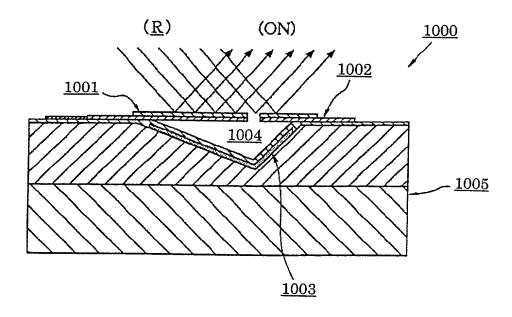
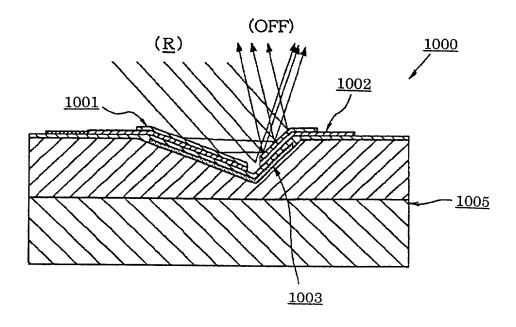


FIG. 96B



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### FIG. 97A

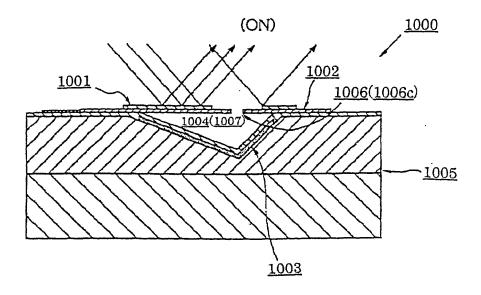
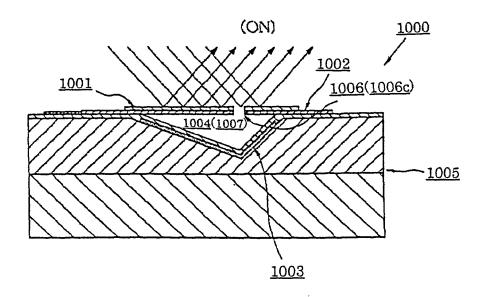


FIG. 97B

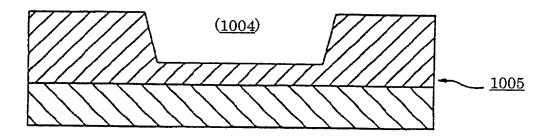


OBLON, SPIVAK, ET AL DOCKET #: 218290US2 INV: Kouichi OHTAKA, et al. SHEET 52 OF 116

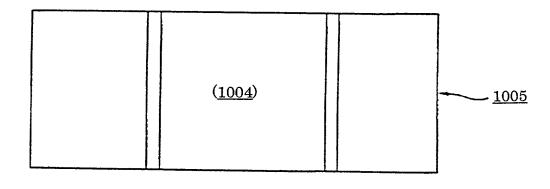
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# FIG. 98

(a)



**CROSS-SECTIONAL VIEW** 



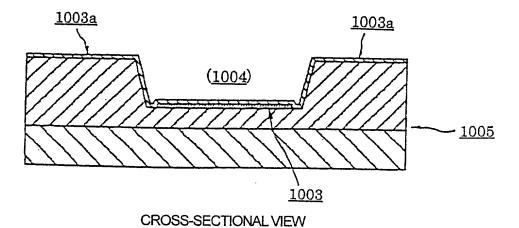
**PLAN VIEW** 

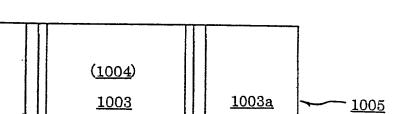
OBLON, SPIVAK, ET AL DOCKET #: 218290US2 INV: Kouichi OHTAKA, et al. SHEET 53 OF 116

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FIG. 99

(b)





PLAN VIEW

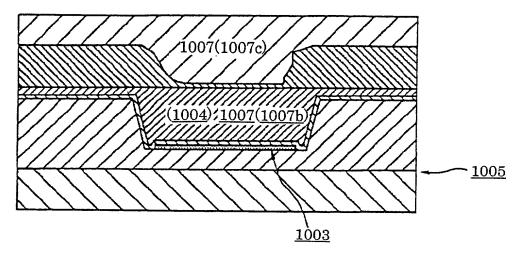
<u>1003a</u>

OBLON, SPIVAK, ET AL DOCKET #: 218290US2 INV: Kouichi OHTAKA, et al. SHEET 54 OF 116

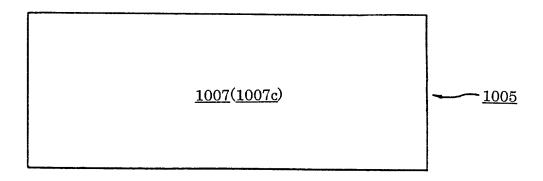
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### FIG. 100

(c)



**CROSS-SECTIONAL VIEW** 

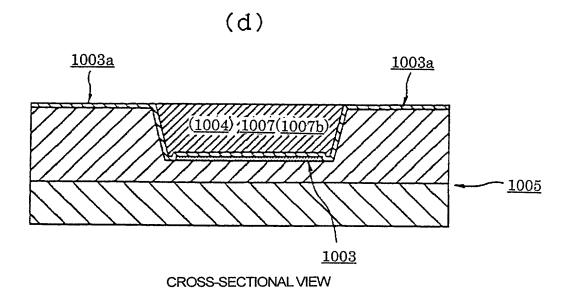


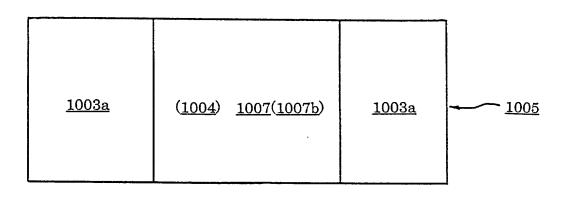
PLAN VIEW

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#### FIG. 101



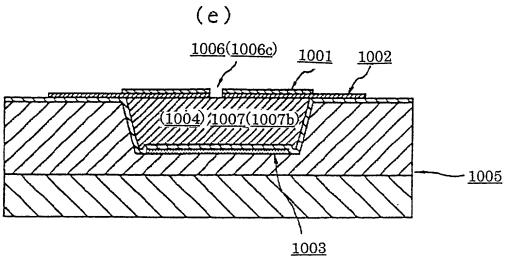


PLAN VIEW

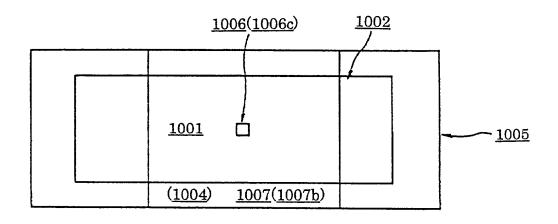
OBLON, SPIVAK, ET AL DOCKET #: 218290US2 INV: Kouichi OHTAKA, et al. SHEET <u>56</u> OF <u>116</u>

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#### FIG. 102



CROSS-SECTIONAL VIEW



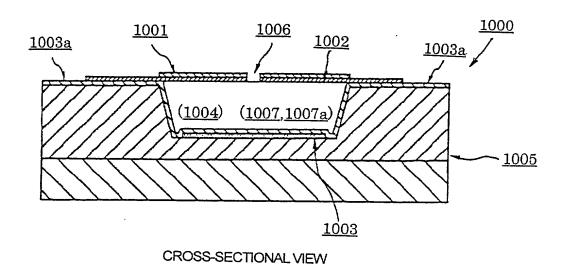
PLAN VIEW

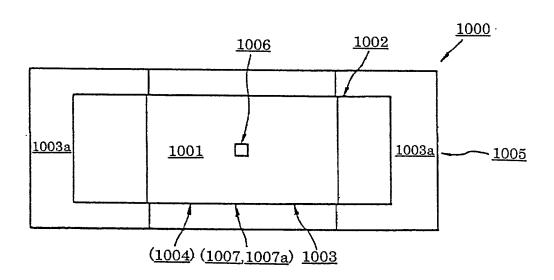
OBLON, SPIVAK, ET AL DOCKET #: 218290US2 INV: Kouichi OHTAKA, et al. SHEET <u>57</u> OF <u>116</u>

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### FIG. 103

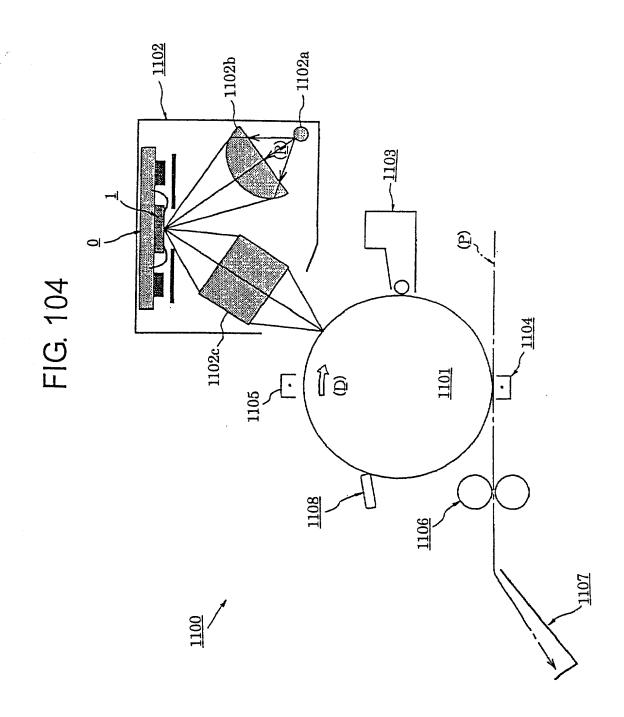
(f)

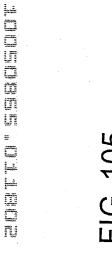


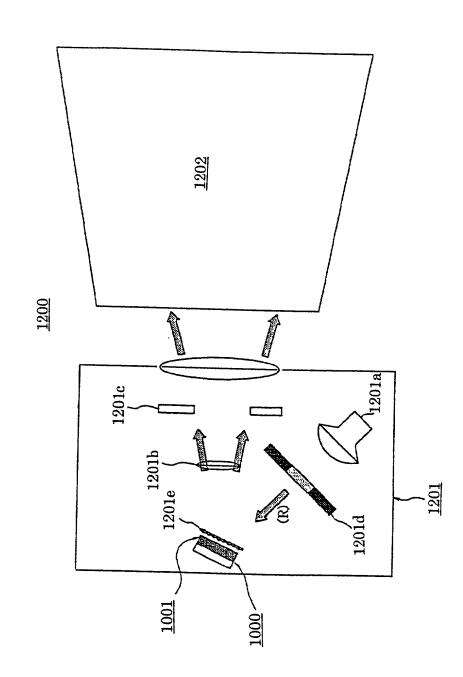


**PLAN VIEW** 

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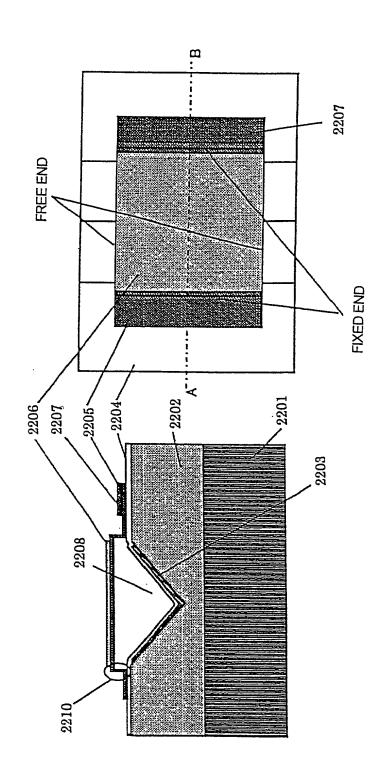




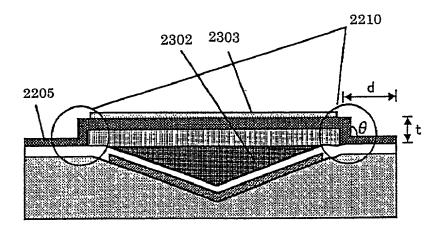


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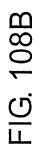
FIG. 106A FIG. 106B

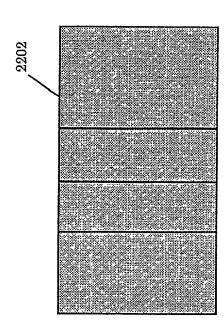


# FIG. 107



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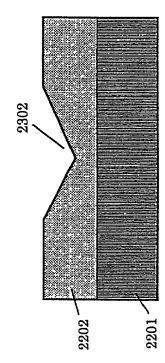
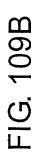
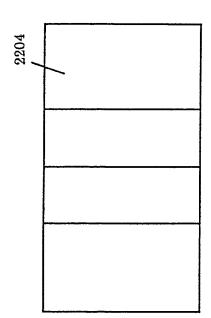


FIG. 108A

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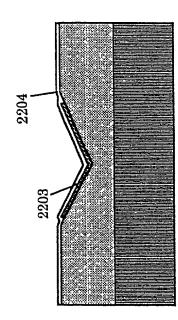
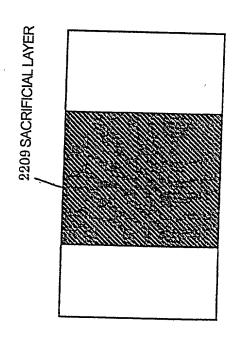
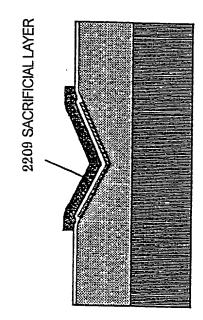


FIG. 109A

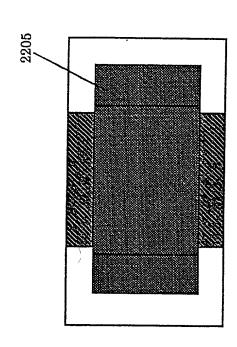
FIG. 110B

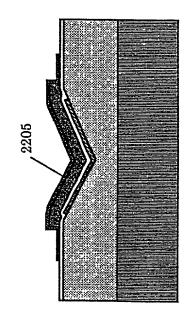


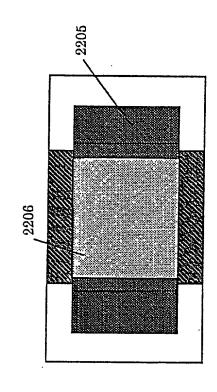


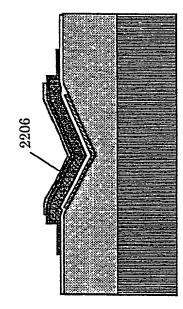
TOOSOSS.CITSCR

FIG. 111A









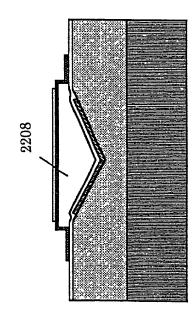
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FIG. 113B

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FIG. 113/



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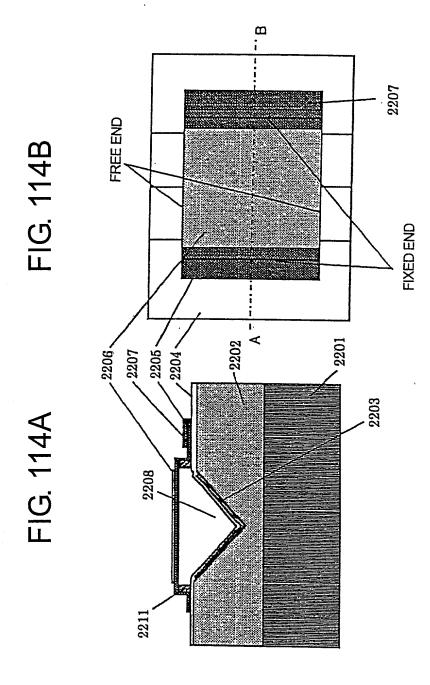
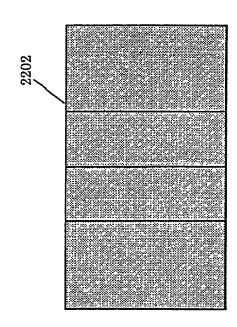
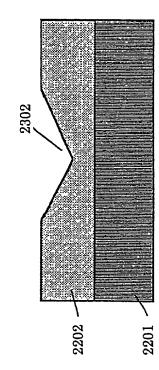


FIG. 115A

FIG. 115B

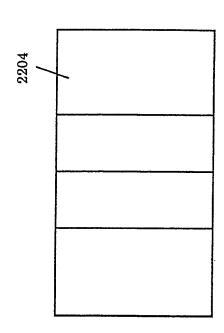


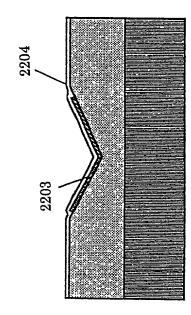


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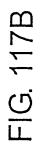


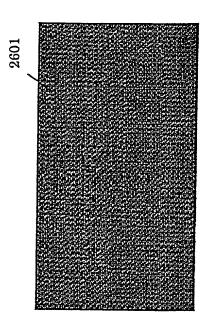




OBLON, SPIVAK, ET AL DOCKET #: 218290US2 INV: Kouichi OHTAKA, et al. SHEET <u>71</u> OF <u>116</u>

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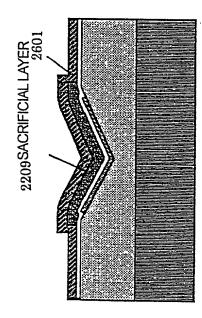
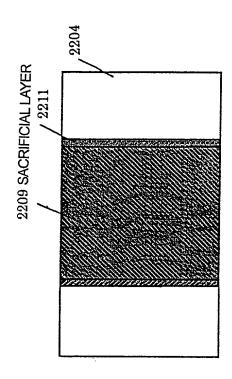


FIG. 117A

FIG. 118A

FIG. 118B



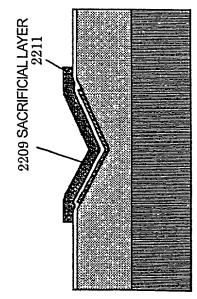
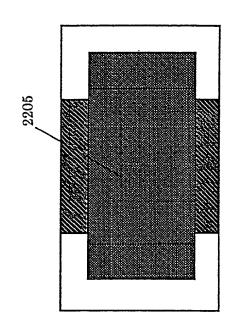
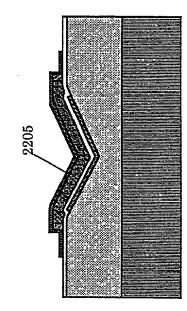


FIG. 119B

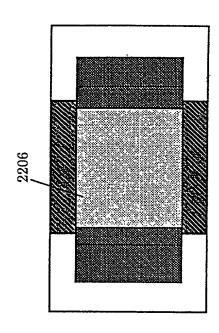
FIG. 119A

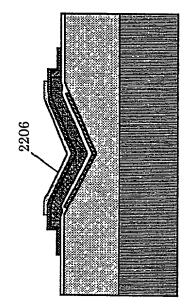




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IG. 120A



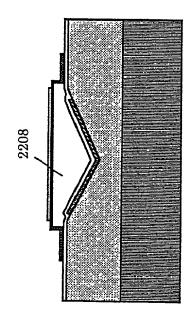


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FIG. 121B

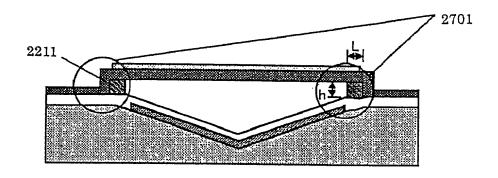
2206 2205

FIG. 121A



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## FIG. 123A

#### BEFORE REMOVAL OF SACRIFICIAL LAYER

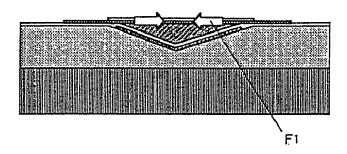
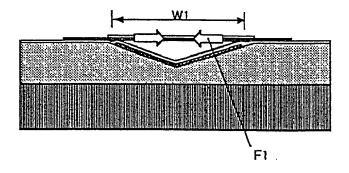


FIG. 123B

#### AFTER REMOVAL OF SACRIFICIAL LAYER



OBLON, SPIVAK, ET AL DOCKET #: 218290US2 INV: Kouichi OHTAKA, et al. SHEET <u>78</u> OF <u>116</u>

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## FIG. 124A

#### BEFORE REMOVAL OF SACRIFICIAL LAYER

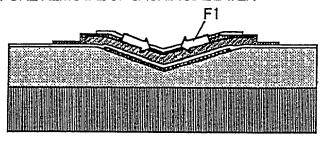


FIG. 124B

#### AFTER REMOVAL OF SACRIFICIAL LAYER

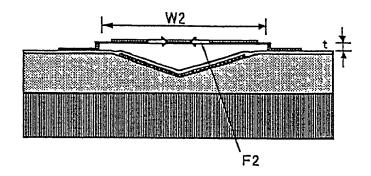
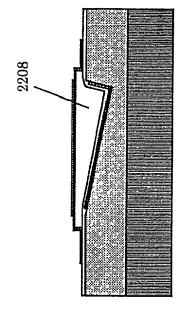
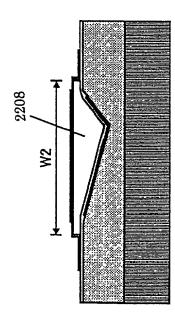


FIG. 125B





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FIG. 126A

WHEN NO VOLTAGE IS APPLIED (ON OPERATION STATE)

FIG 126C

WHEN HIGH VOLTAGE IS APPLIED (OFF OPERATION STATE)

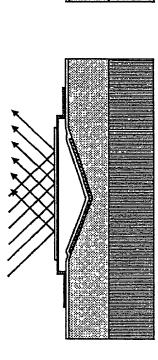


FIG 126D

DEFORMATION OF FIXED SECTION IN TRANSIENT STATE



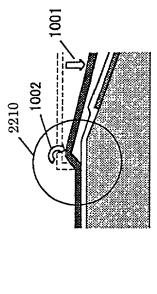
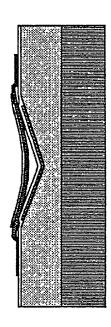
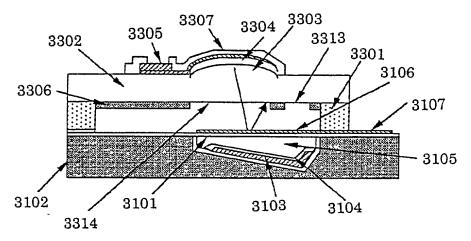


FIG. 126B WHEN LOW VOLTAGE IS APPLIED (TRANSIENT STATE)

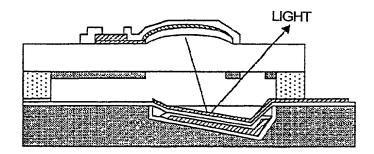


### FIG. 127A



NON-DRIVEN STATE

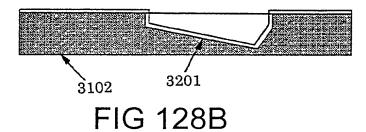
FIG. 127B



**DRIVEN STATE** 

FIG. 128A

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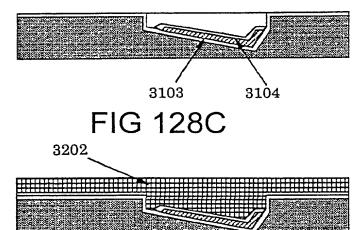
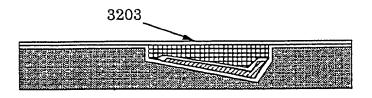


FIG 128D



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## FIG. 129A

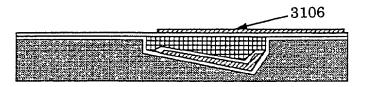
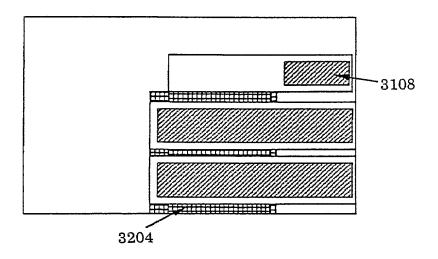


FIG. 129B



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## FIG. 130A

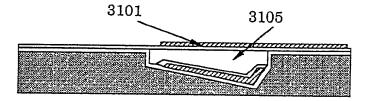


FIG. 130B

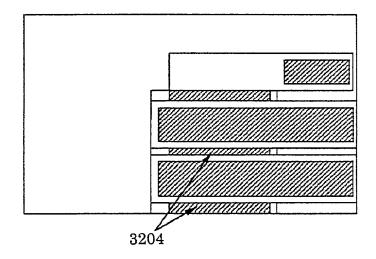


FIG. 131A

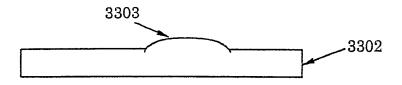
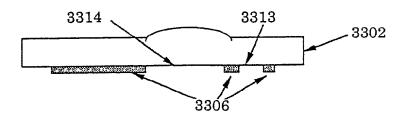


FIG. 131B



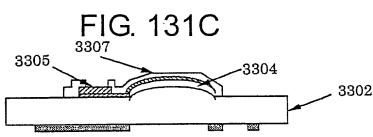


FIG. 131D

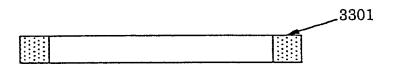
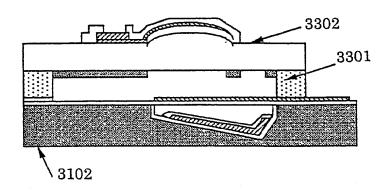


FIG. 131E



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#### FIG. 132A

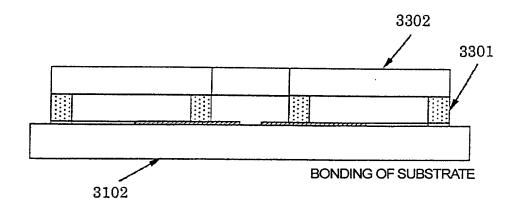


FIG. 132B

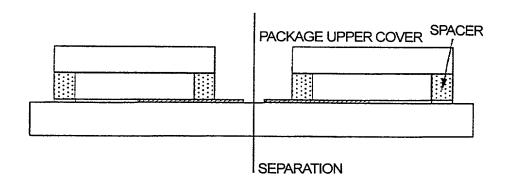
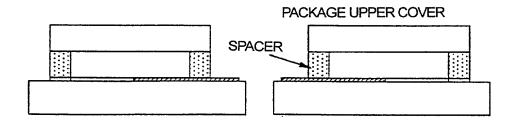


FIG. 132C



OBLON, SPIVAK, ET AL DOCKET #: 218290US2 INV: Kouichi OHTAKA, et al. SHEET 87 OF 116

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#### FIG. 133A

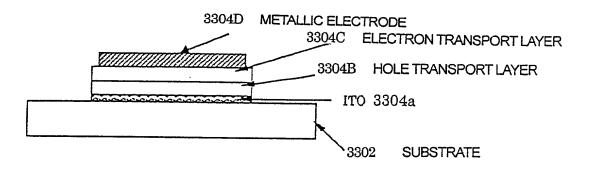
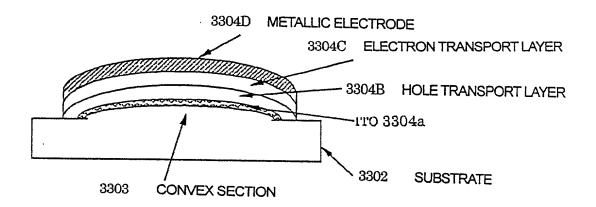


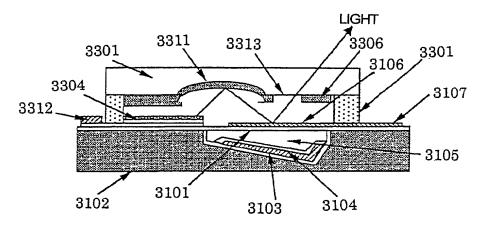
FIG. 133B



OBLON, SPIVAK, ET AL DOCKET #: 218290US2 INV: Kouichi OHTAKA, et al. SHEET 88 OF 116

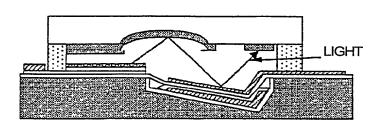
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### FIG. 134A



NON-DRIVEN STATE

FIG. 134B



**DRIVEN STATE** 

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## FIG. 135A

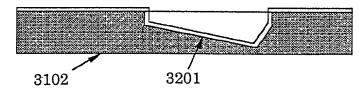


FIG. 135B

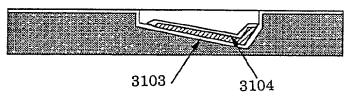


FIG. 135C

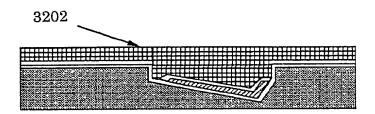
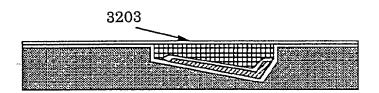


FIG. 135D



OBLON, SPIVAK, ET AL DOCKET #: 218290US2 INV: Kouichi OHTAKA, et al. SHEET <u>90</u> OF <u>116</u>

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## FIG. 136A

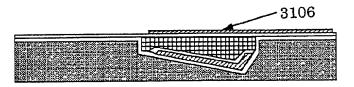
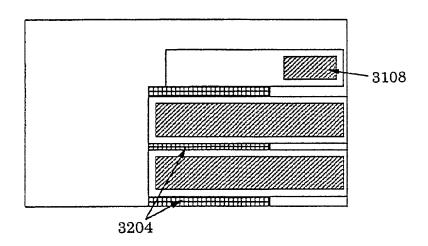


FIG. 136B



OBLON, SPIVAK, ET AL DOCKET #: 218290US2 INV: Kouichi OHTAKA, et al. SHEET 91 OF 116

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# FIG. 136C

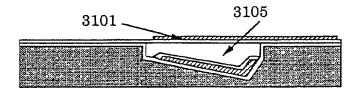
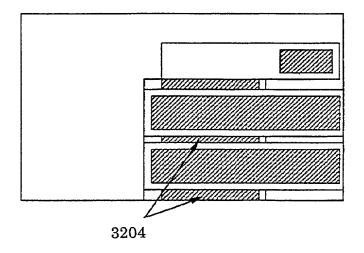


FIG. 136D



OBLON, SPIVAK, ET AL DOCKET #: 218290US2 INV: Kouichi OHTAKA, et al. SHEET <u>92</u> OF <u>116</u>

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## FIG. 137A

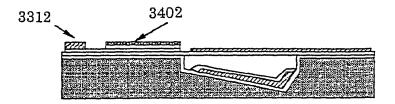
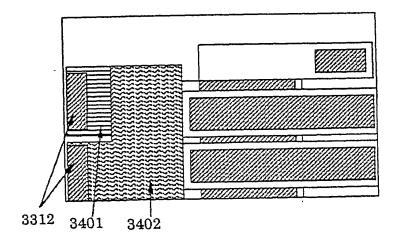


FIG. 137B



OBLON, SPIVAK, ET AL DOCKET #: 218290US2 INV: Kouichi OHTAKA, et al. SHEET <u>93</u> OF <u>116</u>

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### FIG. 137C



FIG. 137D

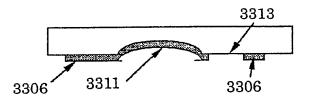


FIG. 137E

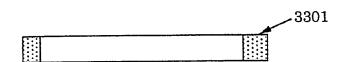
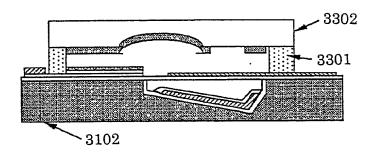


FIG. 137F



OBLON, SPIVAK, ET AL DOCKET #: 218290US2 INV: Kouichi OHTAKA, et al. SHEET <u>94</u> OF <u>116</u>

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#### FIG. 138A

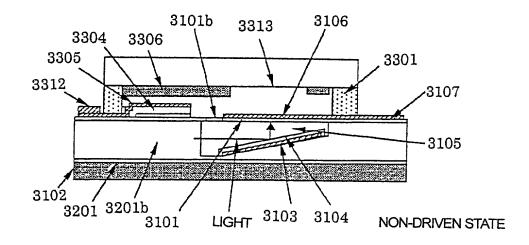
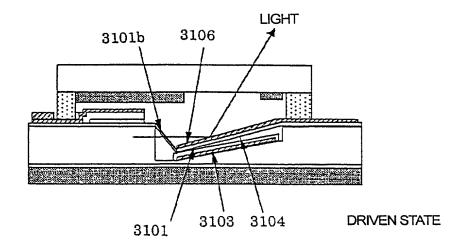


FIG. 138B



OBLON, SPIVAK, ET AL DOCKET #: 218290US2 INV: Kouichi OHTAKA, et al. SHEET <u>95</u> OF <u>116</u>

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#### FIG. 139A

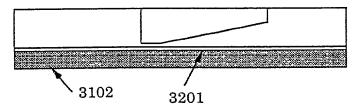


FIG. 139B

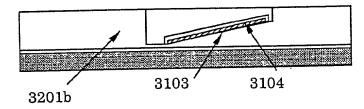


FIG. 139C

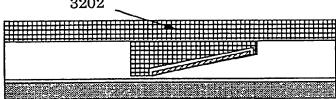
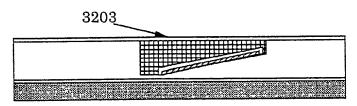


FIG. 139D



OBLON, SPIVAK, ET AL DOCKET #: 218290US2 INV: Kouichi OHTAKA, et al. SHEET <u>96</u> OF <u>116</u>

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#### FIG. 140A

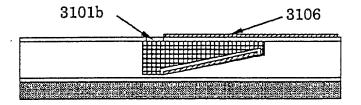
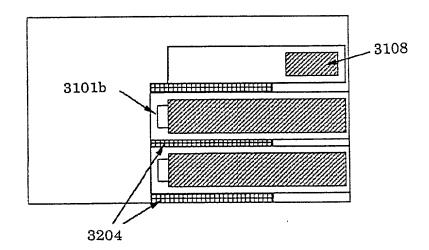


FIG. 140B



OBLON, SPIVAK, ET AL DOCKET #: 218290US2 INV: Kouichi OHTAKA, et al. SHEET 97 OF 116

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## FIG. 140C

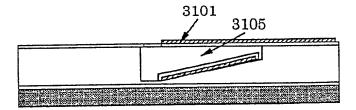
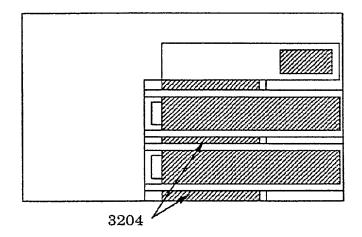


FIG. 140D



OBLON, SPIVAK, ET AL DOCKET #: 218290US2 INV: Kouichi OHTAKA, et al. SHEET <u>98</u> OF <u>116</u>

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## FIG. 141A

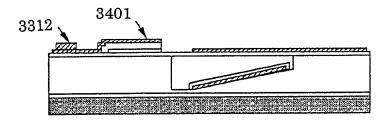
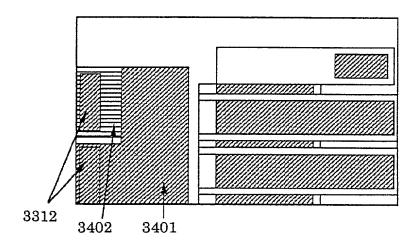


FIG. 141B



OBLON, SPIVAK, ET AL DOCKET #: 218290US2 INV: Kouichi OHTAKA, et al. SHEET 99 OF 116

FIG. 141C

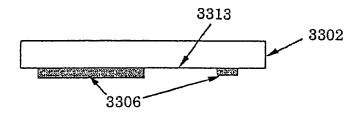


FIG. 141D

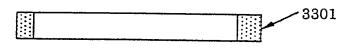
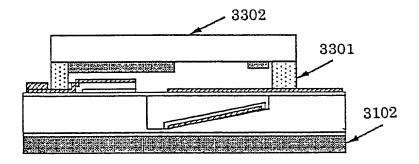


FIG. 141E



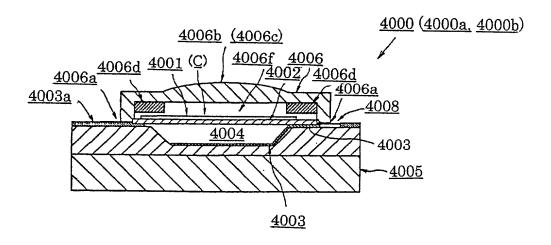
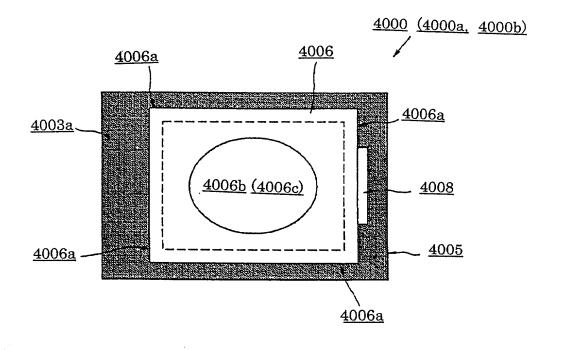


FIG. 143



## FIG. 144

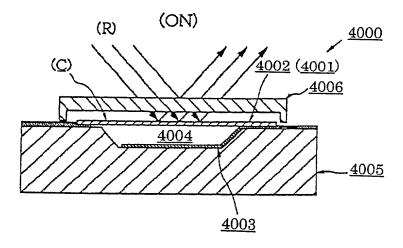
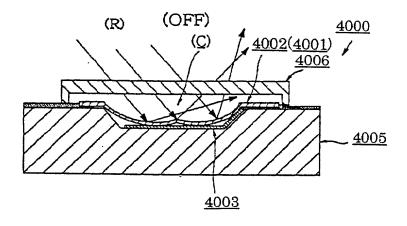


FIG. 145



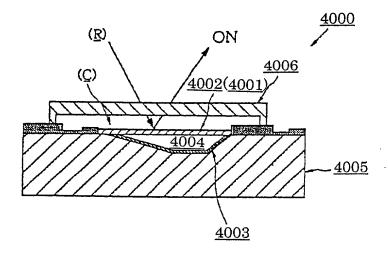
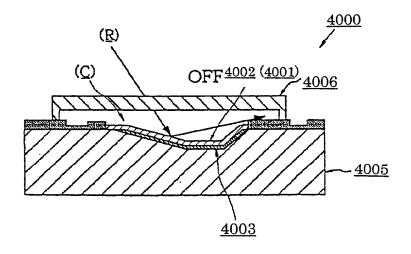


FIG. 147



OBLON, SPIVAK, ET AL DOCKET #: 218290US2 INV: Kouichi OHTAKA, et al. SHEET <u>103</u> OF <u>116</u>

FIG. 148

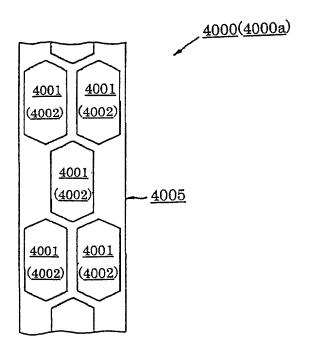
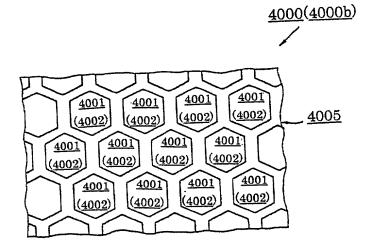


FIG. 149



OBLON, SPIVAK, ET AL DOCKET #: 218290US2 INV: Kouichi OHTAKA, et al. SHEET 104 OF 116

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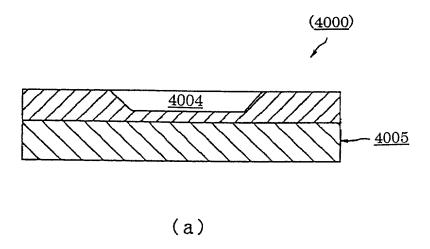
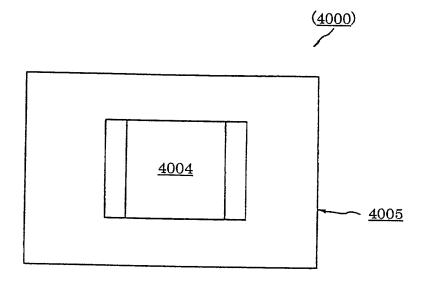


FIG. 151



OBLON, SPIVAK, ET AL DOCKET #: 218290US2 INV: Kouichi OHTAKA, et al. SHEET 105 OF 116

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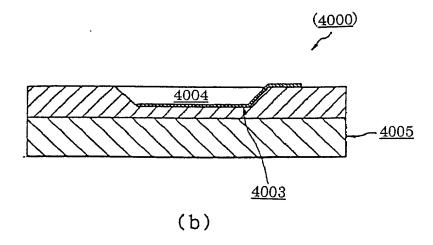
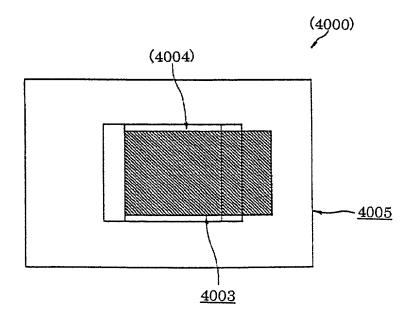


FIG. 153



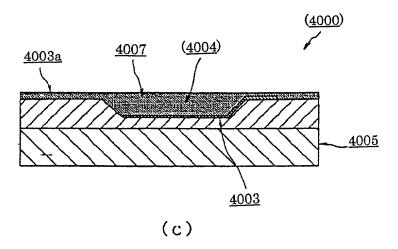
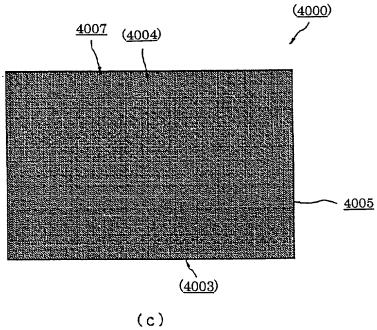


FIG. 155



OBLON, SPIVAK, ET AL DOCKET #: 218290US2 INV: Kouichi OHTAKA, et al. SHEET <u>107</u> OF <u>116</u>

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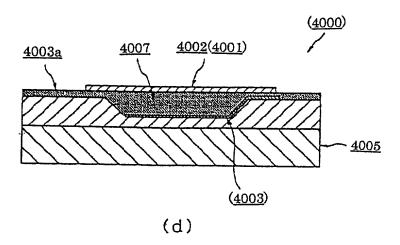
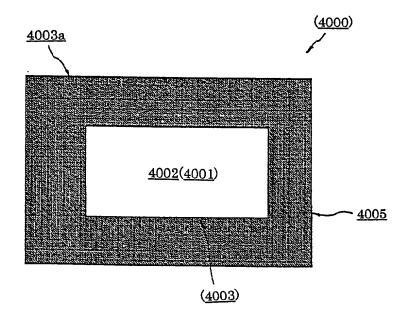


FIG. 157



OBLON, SPIVAK, ET AL DOCKET #: 218290US2 INV: Kouichi OHTAKA, et al. SHEET 108 OF 116

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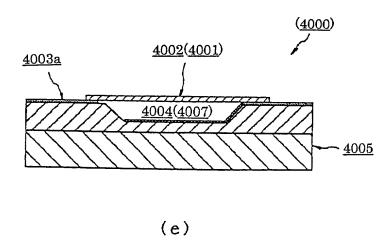
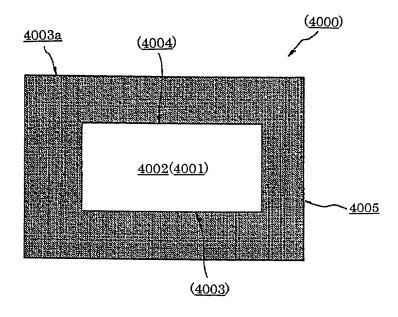


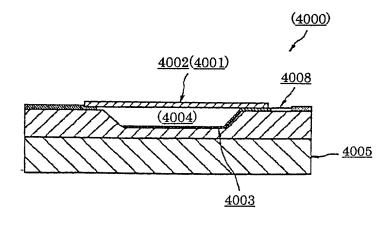
FIG. 159



OBLON, SPIVAK, ET AL DOCKET #: 218290US2 INV: Kouichi OHTAKA, et al. SHEET 109 OF 116

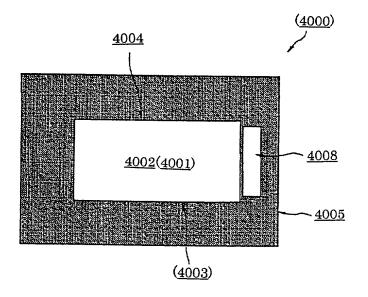
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## FIG. 160



(f)

FIG. 161



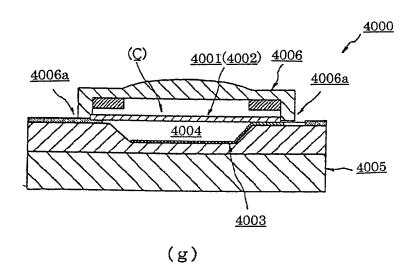
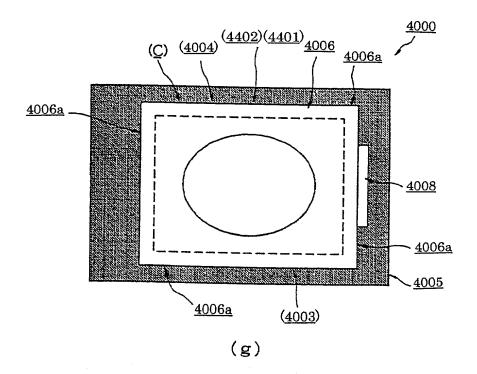


FIG. 163



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FIG. 164

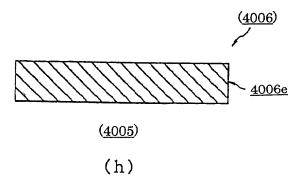


FIG. 165

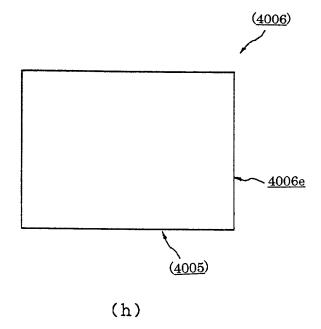
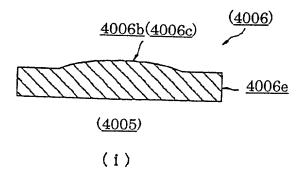


FIG. 166



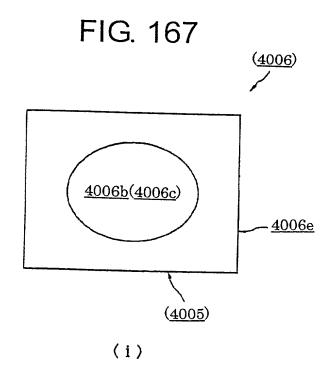


FIG. 168

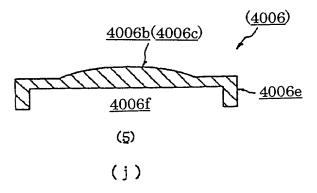
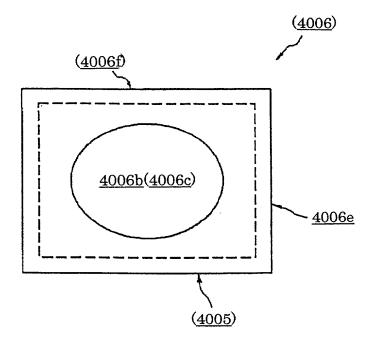


FIG. 169



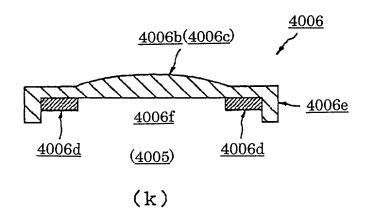
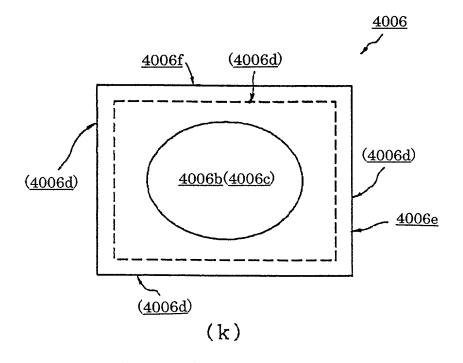
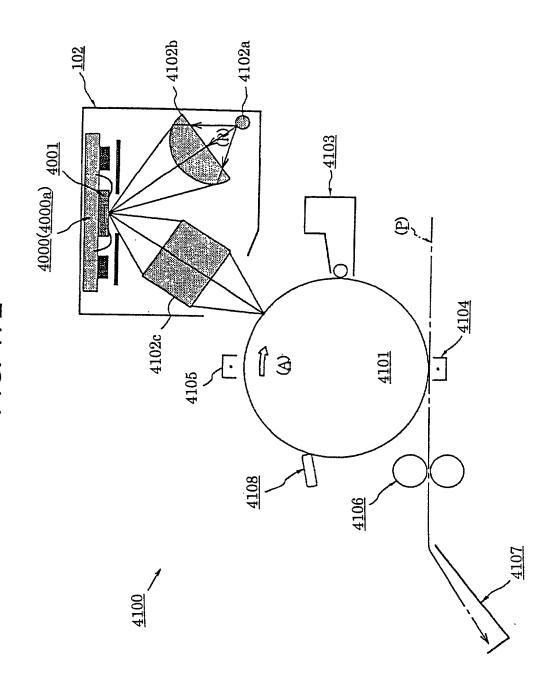


FIG. 171





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